

**WHAT IS CLAIMED IS:**

1. An emergency call system, said system comprising:  
a transmitting unit carried by an individual, said transmitting unit having an on/off switch and a microphone;  
a mobile phone; and  
a receiving unit communicating with said transmitting unit and said mobile phone;  
whereby the individual actuates the on/off switch of said transmitting unit to send a signal to said receiving unit, said receiving unit sending a signal to said mobile phone to dial a telephone number specified by the individual, said mobile phone dialing the specified number and connecting a one-way call from said transmitting unit to the telephone number to provide audio signals received from the microphone to the specified telephone number.
2. The emergency call system of claim 1 further comprising a service center associated with the specified telephone number.
3. The emergency call system of claim 2 wherein said service center has an audio recording to record all audio signals received from said transmitting unit.

4. The emergency call system of claim 2 wherein said service center includes at least one staff member monitoring received audio signals from said transmitting unit, said staff member providing appropriate assistance to the individual based upon monitored received audio signals.
5. The emergency call system of claim 4 wherein said staff member communicates via said mobile phone with the individual, thereby providing a two-way call to the individual.
6. The emergency call system of claim 1 wherein said mobile phone includes a buffer for storing received audio signals from said transmitting unit prior to call completion.
7. The emergency call system of claim 1 wherein said receiving unit includes a buffer for storing received audio signals from said transmitting unit prior to call completion.
8. The emergency call system of claim 1 wherein said receiving unit is integrated into said mobile phone.

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9. The emergency call system of claim 1 wherein said mobile phone includes a voice activation system which automatically dials a specified telephone number upon receipt of a specified voice activation signal;

    said receiving unit generating a specified voice activation signal upon receipt of the signal from the transmitting unit.

10. The emergency call system of claim 9 wherein said receiving unit includes an audio signal selector, the selector enabling the individual to select one of at least two telephone numbers.

11. The emergency call system of claim 10 wherein said receiving unit includes an audio selector indicator to indicate the selected telephone number.

12. The emergency call system of claim 1 wherein said mobile phone sends a header message providing information on the individual to the specified telephone number.

13. The emergency call system of claim 1 further comprising a timer, said timer being initiated upon said mobile phone dialing the specified telephone number; and

wherein said mobile phone dials the specified telephone number upon passage of a specified time period determined by the timer.

14. The emergency call system of claim 1 further comprising a service center having the specified telephone number; and

wherein said service center responds to completion of the one-way call by sending a call complete message to said mobile phone.

15. A method of completing an emergency call within an emergency call system, said system having a transmitting unit carried by an individual communicating with a receiving unit communicating with a mobile phone, the method comprising the steps of:

- actuating the transmitting unit by the individual;
- sending a signal from the transmitting unit to the receiving unit;
- sending a command by the receiving unit to the mobile phone to dial a specified telephone number;
- dialing by the mobile phone the specified telephone number;
- completing the call between the transmitting unit to the specified telephone number; and
- sending audio signals received by a microphone in the transmitting unit to the specified telephone number.

16. The method of completing an emergency call of claim 15 wherein the step of dialing by the mobile phone the specified telephone number includes the mobile phone dialing a service center having the specified telephone number.

17. The method of completing an emergency call of claim 16 further comprising, after the step of sending audio signals received by a microphone in the transmitting unit to the specified telephone number, the step of recording the audio signals by the service center.

18. The method of completing an emergency call of claim 15 wherein the step of sending a command by the receiving unit to the mobile phone to dial a specified telephone number includes sending a command to a voice activation system within the mobile phone for dialing the specified number.

19. The method of completing an emergency call of claim 15 further comprising, before the step of actuating the transmitting unit by the individual, the step of selecting a desired telephone number from an audio signal selector.

20. An emergency call system, said system comprising:

- a transmitting unit carried by an individual, said transmitting unit having an on/off switch and a microphone;
- a mobile phone having a voice activation system;
- a receiving unit communicating with said transmitting unit and said mobile phone; and
- a service center having the specified telephone number

whereby the individual actuates the on/off switch of said transmitting unit to send a signal to said receiving unit, said receiving unit sending a signal to the voice activation system of said mobile phone to dial the telephone number specified by the individual, said mobile phone dialing the specified number and connecting a one-way call from said transmitting unit to said service center to provide audio signals received within the microphone to the specified telephone number, said service center recording the received audio signals.